Benjamin Hawn

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GitHub: github.com/bhawn

EDUCATION

Texas A&M University   College Station, TX
Master of Computer Science   December 2021
GPA: 3.8

Texas A&M University   College Station, TX
Bachelor of Science in Computer Science   May 2019
Minor in Cybersecurity, Minor in Business
GPA: 3.0

Relevant Coursework:

Compiler Design, Computer and Network Security, Data Structures & Algorithms, Database Systems, Design and Analysis of Algorithms, Digital Images, Distributed Processing Systems, Distributed Systems & Cloud Computing, Image Synthesis, Machine Learning, Networks & Distributed Processing, Operating Systems, Parallel Computing, Software Engineering, Wireless and Mobile Systems

EXPERIENCE

Earl C. Sams Foundation   Corpus Christi, TX
Board Member   Mar. 2017 - Present
- Participate in the management of a private foundation and its investments.
- Investigate and award grants to deserving non-profit organizations.

A&M Laboratory for Embedded & Networked Sensor Systems   College Station, TX
Research Assistant   Nov. 2018 – Jul. 2020
- Research and work towards the development of an offline mobile EMS voice assistant.

SKILLS & INTERESTS

Languages: C++, Python, HTML/CSS, JavaScript, GLSL, MySQL
Operating Systems: Windows, Linux
Software: Visual Studio, GDB Debugger, Emscripten
Tools: AWS, SDL2, OpenGL, OpenMP, Python Flask

Projects:
Vaccine Game
- A JavaScript web game created as part of the TAMU PEER outreach program in order to raise vaccine awareness in middle school biology students.

Online Image Editor
- A custom image manipulation tool implemented in C++ and transpiled for use on the web.

Offline Mobile EMS Voice Assistant
- Research & work towards a voice assistant that may assist EMS or First Responders in treatment of patient in areas with little to no network connectivity.

Node Video Learning
- A video-based learning website that allows teachers to link videos together for viewing in a non-linear fashion.

Discord Library
- A C++ library for the Discord chat client API that minimizes use of external libraries.